

**IN THE CLAIMS:**

Please **AMEND** claims 1, 4, 7, 9-12, 15, 19 and 20 in accordance with the following:

1. **(CURRENTLY AMENDED)** An apparatus for recording data on an optical recording medium, comprising:

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a recording waveform generating unit which generates a recording waveform having an erase pattern containing a multi-pulse and a recording pattern containing another multi-pulse, a power level of a leading pulse of the erase pattern being a low level of the multi-pulse and a power level of a pulse between an end point of ~~trailing pulse of the erase pulse~~ pattern and a start point of a leading pulse of the recording pattern being a high level of the multi-pulse; and

a pickup unit which generates light to the optical recording medium according to the generated recording waveform so that a mark or a space is formed on the optical recording medium.

2. **(ORIGINAL)** The apparatus of claim 1, further comprising: a channel modulation unit which channel modulates data provided from an outside source, and outputs an NRZI data signal to the recording waveform generating unit.

3. **(ORIGINAL)** The apparatus of claim 1, wherein the pickup unit comprises:  
a motor which rotates the optical recording medium;  
an optical head having a laser device which generates a laser beam to the optical recording medium or receives the laser beam reflected from the optical recording medium;  
a servo circuit which servo-controls the motor and the optical head; and  
a laser driving circuit which drives the laser device installed in the optical head.

4. **(CURRENTLY AMENDED)** An apparatus for recording data on an information storage medium, comprising:

a recording waveform generating unit which generates a recording waveform comprising a recording pattern, an erase pattern having a multi-pulse, and a cooling pulse concatenating the recording and erase patterns, a power level of a leading pulse of the erase pattern being a low level of the multi-pulse and a power level of a trailing pulse of ~~between an end point of the erase pulse~~ pattern and a start point of a leading pulse of the recording pattern being a high level of the multi-pulse; and